

a shaping rail having a first end and a second end, the first end and the second end of the shaping rail being operably connected to each other such that the ends of the shaping rail may be brought closer together through application of a bending moment and in-line compression;

a bending rail;

at least two rollers operably connecting the shaping rail and the bending rail, the rollers being operable to alter a position of the shaping rail relative to the bending rail; and

a bending adjustment bar operably connected to ends of the bending rail to apply a load to the shaping rail through the rollers.

19. (Amended) A method for shaping a single curvature membrane optic, the method comprising:

generating curvature in a shaping rail by applying a load and a moment in the vicinity of a first end and a second end of the shaping rail; [and]

stretching an optical membrane between at least two shaping rails;

drawing the first end and the second end of the shaping rail toward each other and drawing the shaping rail against at least two rollers fixed to a bending rail operably connected to the shaping rail.

22. (Amended) The method according to claim [21] 19, further comprising:

drawing the shaping rail against at least two rollers fixed to a bending rail operably connected to the shaping rail.

24. (Amended) The method according to claim [21] 19, wherein drawing the first end and the second end of the shaping rail toward each other comprises:

drawing toward the first end and second end of the shaping bar ends of an adjustment bar operably connected to the first end and the second end of the shaping bar.

25. (Amended) The method according to claim [21] 19, wherein drawing the first end and the second end of the shaping rail toward each other comprises:

drawing ends of an adjustment bar toward ends of bending bar standoffs operably connecting the adjustment bar to the shaping bar.

Clean copy of amended claims:

17. A system for shaping a single curvature parabolic membrane, the system comprising:  
a shaping rail having a first end and a second end, the first end and the second end of the shaping rail being operably connected to each other such that the ends of the shaping rail may be brought closer together through application of a bending moment and in-line compression;  
a bending rail;  
at least two rollers operably connecting the shaping rail and the bending rail, the rollers being operable to alter a position of the shaping rail relative to the bending rail; and  
a bending adjustment bar operably connected to ends of the bending rail to apply a load to the shaping rail through the rollers.

19. A method for shaping a single curvature membrane optic, the method comprising:  
generating curvature in a shaping rail by applying a load and a moment in the vicinity of a first end and a second end of the shaping rail;  
stretching an optical membrane between at least two shaping rails;  
drawing the first end and the second end of the shaping rail toward each other and  
drawing the shaping rail against at least two rollers fixed to a bending rail operably connected to the shaping rail.

22. The method according to claim 19, further comprising:  
drawing the shaping rail against at least two rollers fixed to a bending rail operably connected to the shaping rail.

24. The method according to claim 19, wherein drawing the first end and the second end of the shaping rail toward each other comprises:

drawing toward the first end and second end of the shaping bar ends of an adjustment bar operably connected to the first end and the second end of the shaping bar.

25. The method according to claim 19, wherein drawing the first end and the second end of the shaping rail toward each other comprises:

drawing ends of an adjustment bar toward ends of bending bar standoffs operably connecting the adjustment bar to the shaping bar.